IT MOVES IN A STEADY STREAM TOWARD THE MINT.

Keepsakes and Jewelry May Bo Hoarded, But the Mint Gets Them-How Gold is Melted.

LD Gold and Silver Bought Here," was a sign hanging in front of an Eighth ave nue shop that attracted the attention of two passers-by a few days ago. One of the passers was a Sun reporter, the other was Mr. J. Robley Dunglison, Registrar of Deposits in the Philadelphia Mint, who probably knows more about the unseen supply of gold than any other man in this country. The "unseen gold supply" is a term the mint people use to describe the tons of gold and silver that lie in the half-forgotten boxes in bureau drawers -old gold pencils, old watch cases, neglected pocket pieces, broken chains, spectacle rims, and a thousand other bits of metal that have intrinsic value. Most of these things are sure to find their way to the mint sooner or later, and when they do it is Mr. Dunglison who makes an entry of their weight in the mint's big books.

"There is one of our feeders," Mr. Dauglison said, as he read the sign. "You would be surprised to know how much of the gold and silver that we turn out in coin comes to us through such places. There are thousands of buyers of old bullion in this city, and tens of thousands of them throughout the country. In the aggregate they send us a great many tons of bullion every year, and so put a great deal of money into circulation that would otherwise lie idle.

"There is no piece of gold or silver so large or so small," he continued, "that the dealers will not buy it. Do you know that gold filling out of extracted teeth make a considerable item in the mint's gold? They do. When a dentist extracts a tooth he is sure to extract also any gold that may be in it, and these tiny bits after a while make a little boxful, which is sold to a dealer. The idea seems unpleasant, but it is not, when you know how thoroughly all bullion is refined and cleansed in the mint before it is

"You will find that all these dealers would a little rather buy old silver than old gold, because there is more profit in it. The price of silver fluctuates so much that they can always buy it for considerably less than its real value; but the price of gold never An ounce of gold is worth \$20.67 always, in all civilized countries; and this is so well understood that the dealer must pay pretty nearly that much for it. He generally increases his profit a little by paying in goods instead of in cash. The dealer must be able to do a little crude assaying himself, or he is likely to make mistakes. Gold jewelry, for instance, is rarely made of pure gold. Our mint standard for pure bullion is 1000, and we rarely get a watch case or a ring or a chain that assays more than 500, showing that it is half gold or silver and half alloy. You think you are carrying a gold watch, but the chances are ninety-nine in a hundred that the cases are half copper. The cases will reach the mint some day, almost to a certainty, and then the

copper will come out.
"The flow of old jewelry to the mint is almost as certain and steady as the flow of water down an incline. The old trinket is broken and useless, and you lay it away. Perhaps it is an heirloom, or for some other reason you are attached to it, and you would not think of selling it. But a rainy day may come, and you are glad to sell it. In any case, you are sure to die some time, and your heirs will not care for the chain; then we get it and turn it

into dollars or eagles.
"We do not buy bullion in small quantities at the mint-nothing less than \$100 worth of gold or silver at a time, and then we do not pay for it sutil it has been assayed. If you bring us \$100 worth of metal that you suppose to be gold, we weigh it and give you a receipt for it, and three days later you can call and teceive the money for whatever gold we find in it. No matter if the lot only contains a dollar's worth of gold, we will receipt for the weight and extract the gold for you and pay you for it. But you lose all the base metal, because in the refining everything but the gold and silver is destroyed. That is, it is practically destroyed, because our work is with gold and silver only, and we do not make any effort to save the base metals. It could easily be done, but it would not pay for the time and trouble. We could separate not only the gold and silver, but the copper also, and the lead and whatever else is present.

"When you take a quantity of old gold to the mint to sell, your metal is not mixed with any other metal. Each lot is kept separate until it has been assayed. Your gold is put into an iron box with two locks, and when its turn comes the box is taken to the melting room, where it is opened by two men, each of whom has a key to one of the locks. The metal is put into a crucible, with a little borax to prevent its sticking. The crucible is put into a furnace, and when the metal is melted it is monided into a bar. That bar contains all the metal in your lot, whether it be gold or brass, and it is the assayer's business to find out how much gold it contains. While it is in the erneible it is stirred constantly and thoroughly, so that all its metals may be distributed equally through-

"When the bar is returned to the weighing room the assayer chips from it a tiny piece that must weigh just half a gramme, or 7.7 grains troy. The bar and the sample are numbered to correspond, and the bar is locked up in the iron box again. But the chip is taken to the assaying room, where it is put through one of the most delicate mechanical processes in the world. No danger of visitors following the chip to the assaying room, for a man who is working with scales that will weigh the thirteen-hundredth of a grain cannot be talking to visitors.

"You are not familiar with the boneash cup, I suppose, that we call the capel? To the uninformed that is one of the wonders of the mint. It is simply a little, shallow cap made of bone ashes moistened and pressed,

but it does some wonderful work. It will absorb any metals that are melted in it, except gold and silver. That sounds a little doubtful, but it is a fact that can readily be accounted for on scientific principles. You melt a lump of mingled gold and copper in this little cupel, and every particle of the copper disappears, leaving the gold alone in the bottom of the cup. That is the first step in assaying gold, taking no account of a dozen minor

operations that merely lead up to it. "This melting in the cupel does not give pure gold, however, for gold is often alloyed with silver. After the tiny button that remains in the cup has cooled sufficiently, it is flattened with a hammer and run between rollers till it comes out a little spiral that we call a cornet. This is put in a little vessel like a thimble with a slit in the bottom, and is boiled in nitric acid. The acid dissolves the silver, which runs out through the slit, but it cannot dissolve the gold. The tiny chip that remains in is pure gold."-New York Sun.

SCIENTIFIC AND INDUSTRIAL.

Agate is successfully imitated. Fossil bisons have been unearthed

in Kentucky. Porcelain is to be substituted for

gold in filling teeth. The whale is a warm- blooded, air

breathing, milk-giving animal.

Bedroom windows should never be entirely closed if the person occupyng the room is strong.

When ants show great activity it may

almost be invariably depended upon that rain will follow within twelve "Tissus Microbicides," warranted to

keep out the most preserving bacillus, are being sold by some of the chief Parisian shops. Indian corn, or maize, never has an

uneven number of rows of grain, because it has opposite radicals of growth from the co-center. One of the new rifles used by the

Italian soldiers sends a ball with force enough to go through five inches of solid oak at a distance of 4000 feet. According to M. Flammarion, the

great astronomer, the mean temperature of Paris for the past six years has been two degrees below the normal. A German officer has invented a motor

in which a fine stream of coal dust is

utilized to drive a piston by explosion in the same manner as the gas in the gas engine. Aluminium bronze consists of ninety per cent. copper and ten per cent.

aluminium, and possesses a tensile strength of 99,000 pounds. It can be worked in the same manner as steel. The idea of an ancient tropical continent at the South Pole, uniting South America, Madagascar and Australia,

terest and discussion in scientific Professor Dewar has demonstrated that metals augment their magnetic qualities and increase in strength by diminution of temperature. Iron at 180 degrees can endure double its nor-

continues to arouse considerable in-

mal tensile strain. There is a mystery about the method of motion of condors that has never been explained. They have been seen to circle to and fro in the sky, half a day at a time, rising and descending without once flapping a wing.

Touch the convex side of a watch glass upon water so as to leave a drop ther into the concave side and blow upon it. The rapid evaporation of the other will render the glass so cold that the drop of water will be frozen.

Lieutenant F. Boyer, of the French navy, to avoid collisions, proposes to introduce at the top on all fast sailing steamers an cleetric light which will cast a beam ahead to indicate the direction in which the vessel is steering. So long as the approaching ship was not in the actual pencil of light it would be unnecessary to alter her course.

A new anthropometric test of sensitiveness has been designed by Dr. Galton. A band of color, showing all the sixty-five shades of blue, is slowly missel before the eyes, and the subjeet makes a dot for every shade detected. As far as the experiments have proceeded only about twenty shades are generally discovered. In one case, however, a dyer detected about forty.

A fish exerts its great propulsive power with its tail, not its fins. The paddlewheel was made on the fin theory of propulsion, and the screw propeller had its origin in noting the action of the tail. It is now shown that the fins of the tall netually perform the evolutions described by the propeller blades, and that the fish in its sinuous motion throagh the water depends on the torsional action of the tail to give it nower.

Making a Threne.

Talking of the Emperor of Austria, it may be of interest to state that he is just having a new throne built, rather a remarkable fact when it is considered that thrones are becoming obsolete elsewhere except as a metaphor and manner of speech, says the Vienna News. The throne is at Buda Pesth, and is to be used by him when acting as King of Hungary.

It appears that the royal palace in the Magyar capital had no suitable chair different from the remainder of the furniture in which the Emperor can sit upon solemn occasions, such as, for instance, when he receives parliamentary delegations. One of the imperial armebairs from the palae; at Vienna has, therefore, always had to be packed off to Buda Pestir for the

The Emperor intended to have the new throne built after the model of the one which his great ancestress, Maria Theresa, was in the habit of using. But attention was called to the fact that it would not harmonize with the character of the state apartments of the pulsee at Buda Pesth, and, consequently, a Hungarian artist was requested to devise an entirely new throne adorned with all kinds of symbolic emblems and calculated to impart majesty and dignity to its occupant on great occasions.

Wears an 8 3-8 Hat.

A man with a head two feet one and five-eight inches in circumference is a curiosity, and when Moses Hall, colored, of Owings Mills, walked into the store of C. B. Bates, 1308 Pennsylvania avenue, Saturday afternoon, Mr. Bates was not a little bit surprised. At first glance Hall's head looked as if a seven and three-eighth hat would fit it. That is an unusually large size, but when that hat was tried on it was too small. Then Mr. Bates bethought him of an old Derby which he had in his window off and on for over a year, with a placard stating that it would be given to anyone it would fit. The size was seven and seven-eighths, which is the largest Mr. Bates has sold in his ten years' experience. After some search the hat was found and tried on, but to the disgust and astonishment of the storekeeper it was too small. It rested on the back of Hall's head as a ten-year-old boy's hat would rest on that of an ordinary man. Mr. Bates then measured the man's head and found that it would require a hat eight and three-eighth size. That is twelve sizes larger than the average hat worn by man. -Baltimore Ameri-

Humming Bird Killed by a Bee. A humming bird was killed by the sting of a bee in Wisconsin not long ago. A bee keeper noticed a pair of ruby-throated humming birds flyin; around the entrance of one of the hives. Soon a bee made its appear ance from within. One of the birds seized it tore it apart and seemed to be feeding on something found in the bee. Just then another bee came out, flew and alighted on the back of the bird. The latter gave a kind of spasmodic shudder, flew a few feet side wise, landed at the foot of a current bush, and was dead, apparently killed by the sting of the bee. - New York

A shortage of billions of feet of pine lumber is predicted from the great Northwestern territory.

Tobacco Caused Consumption - No-tobac Cures the Tobacco Habit and Consumptive Gets Well.

Two Rivers, Wis., Aug. 25 .- [Special.] --Great excitement and interest has been man-fested in the recovery of an old-time resi-tent of this town, Mr. Jos. Bunker, who has for several years been considered by all his friends a hopeless consumptive. Investiga-tion shows that for over thirty-two years he used three and a half pounds of tobacco a week. A short time ago he was induced to try a tobacco-habit cure called "No-To-Bae." week. A short time ago he was induce 1 to try a tobacco-habit cure calle 1 "No-To-Bac." Talking about his miraculous recovery today he said: "Yes, I used No-To-Bac, and two boxes completely cured me. I thought, and so did all my frien is, that I had consumption. Now they say, as you say, 'how healthy and strong you look, Joe,' and whenever they ask me what cured my consumption I tell them No-To-Bac. The last week I used tobacco I lost four pounds. The morning I began the use of No-To-Bac I weighed 12714 pounds; to-day I weigh 169, a gain of 4214 pounds; to-day I weigh 169, a gain of 4214 pounds, I cat heartily and sleep well. Before I used No-To-Bac I was so nervous that when I went to drink I had to hold the glass in both hands. To-lay my nerves are perfectly steady. Where did I get No-To-Bac? At the drug store. It is made by the Sterling Remedy Company, general western office, 45 Ran lolph street, Chicago, New York office, 10 Spruce street, but I see by the printed matter that it is sold New York office, 10 Spruce street, but I see by the printed matter that it is sold I see by the printed matter that it is sold by all druggists—I know all the druggists in this town keep it. I have recommended it to over one hundred people and do not know of a single failure to cure."

DETROIT, Mich, will spend \$550,000 on the

STATE OF OHIO, CITY OF TOLEDO, LUCAS COUNTY.

FRANK J. CHENEY makes oath that he is the senior partner of the firm of F. J. CHENEY & Co., doing business in the City of Toledo, County and State aforesaid, and that said firm will pay the sum of ONE, HUNDRED DOLLARS for each and every case of CHART hat cannot be cured by the use of HALL'S CATAMER CURE.

FRANK J. CHENEY.

Sworn to before me and subscribed in my presence, this 6th day of December, A. D. 1886.

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Notary Pub's.

Hall's Catarrh Cure istaken internally and acts directly on the blood and mucous surfaces of the system. Send for test monials, free.

F. J. CHENEY & Co., Toledo. O.

Sold by Druggists, 75c.

MUTINIES in the army have kept the courts of Lima busy for some time.

Purely a Local Disease.

Tetter is a local disease and needs local treatment. The irritated, diseased skin must be soothed and smoothed and healed. No use to dose yourself and ruin your stomach just because of an itching eruption. Tet terine is the only simple, safe and cer tain cure for Tetter, Eczema, Ringworn and other skin troubles. At druggists or by mail for 50 cents. J C. Shuptrine, Savannah, Ga.

STATISTICS of the recent strike show that the railroads lost \$355,912 in cars burned by

Karl's Clover Root, the great blood purifier gives freshness and clearness to the complexion and cures constipation, 25 cts., 50 cts., \$1.

Boston will have an elevated railroad. The citizens voted in favor of the Meigs sys-

It's Hood's that Cures

The combination, proportion and process by which Hood's Sarsuparilla is prepared are peculiar to itself. Its record of cure is un-equalled. Its sales are the largest in the

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PISO S. CUR ENROR OF THE STATE OF THE STATE

valuation. - New Orleans Picayune.



Those who have the most have it, as a rule, because they save the most. They're more eco-

nomical. These people buy Pearline. Proof-in all stores of the better class throughout the land, you'll find the sales of Pearline far in the lead. Now, these economical people wouldn't use

Pearline for their washing and cleaning, if they didn't find it to be just what we say-the most economical in Nevery way. Would they?

Peddlers and some unscrupulous grocers will tell you "this is as good as" or "the same as Pearline." IT'S FALSE—Pearline is never peddled,

THE WORLD'S

15=Mile Road Race

Record Broken at Cambridgeport

2 M. 6 S.

Lovell Diamond Racer.

Rent for Made Land,

The St. Louis courts have recently decided a case of no little interest to the dwellers on the banks of rivers where new land is likely to be made. Mrs. Anna R. Allen owns 145 acres of land at the point where the river Des Peres enters the Mississippi, and she leased it to the St. Louis, Iron Mountain and Southern. Later seventy-five acres was added to this tract by accretions from the Mississippi. The company has a transfer at this point and was compelled to cross the new land in transferring cars. It, however, refused to pay rent for the land embraced in the new formation, on the ground that it was not embraced in the lease. Judge Dillon held that the accretions had become a part of the original tract, and, inasmuch as the company had used the land, it was liable for rent. The land was valued by experts at \$150 per acre, and judgment was given against the railroad upon the basis of six per cent. on this



ambitions of humanity to build some structure that should tower above all others in the vicinity or in the world. The Eisfel Tower was one of the latest exploits; but this has been condemned as unsafe, and the upper part of the tower is to be removed. It is, howbe removed. The English people were so well pleased with the Ferris Wheel that they are having one built in London. It will be considerably larger than its Chicago model, and there are several minor improvements suggested for it, although in the main the Ferris plan will be followed. The World's Fair wheel is to be removed to New York City, and set up to delight thousands who could not go to Chicago.—Ledger.

Highest of all in Leavening Power .- Latest U.S. Gov't Report

Baking Powder ABSOLUTELY PURE

Dead Paupers Made Useful. Nothing is useless nowadays-not |

even a defunct pauper. Hood's plaintive wail-

Rattle his bones over the stones , He's only a pauper whom nobody owns-

is now out of date. The guardians know better than to act so recklessly, for often the party concerned is the possessor of a set of artificial teeth which contains a good deal of goldlast relic of more prosperous timesand in the interest of the rate-payers the precious metal must be secured and turned into pounds sterling. Often, too, they are the owners of rings or tiny trinkets, not pawnable, but still containing as much auriferous value as not a few modern gold mines. These have to be collected and also converted into cash by means of the melting-pot. In the Holborn Union the melting process takes place once a year, and has just been accomplished for the present season. The jewelry dealt with is what is found on paupers who die friendless and unclaimed in its various establishments. This week rings, chains, brooches

and trinkets have been melted down, and produced a bar of go d, estimated at eleven carats, and worth about £40, A good portion of it was from the plates of artificial teeth. Mr. Walton aid that on one set of artificial teetl there was at least £1 worth of gold The proceeds are paid into the common exchequer of the union. -Lordon Telegraph.

High Buildings. It has for centuries been one of the ever, something of a white elephant! dispelling colds, headaches and fevers on the hands of its owners, as there is and permanently curing constipation. no safe means known by which it can | It has given satisfaction to millions and

Way to Please an Author,

Mark Twain says there are three "infallible ways of pleasing an au-thor: 1. To tell him you have read one of his books; 2. To tell him you have read all of his books; 3. To ask him to let you read the manuscript of his forthcoming book. No. 1 admits you to his respect; No. 2 admits you to his admiration; No. 3 carries you clear into his heart."—Chicago Her-

The chief maritime cities of the United States in their order of importance, are New York, Boston, New Orleans and Baltimore.



KNOWLEDGE

Brings comfort and improvement and tends to personal enjoyment when rightly used. The many, who live better than others and enjoy life more, with less expenditure, by more promptly adapting the world's best products to the needs of physical being, will attest the value to health of the pure liquid leveling principles applicated in the laxative principles embraced in the remedy, Syrup of Figs.

Its excellence is due to its presenting

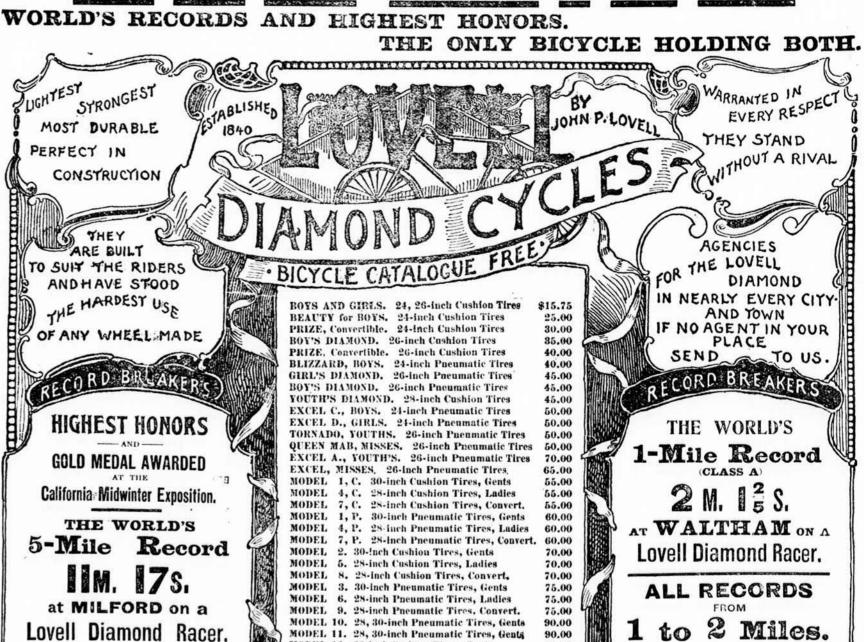
in the form most acceptable and pleasant to the taste, the refreshing and truly beneficial properties of a perfect lax-ative; effectually cleansing the system, met with the approval of the medical profession, because it acts on the Kidneys, Liver and Bowels without weak ening them and it is perfectly free from

every objectionable substance.

• Syrup of Figs is for sale by all druggists in 50c and \$1 bottles, but it is man ufactured by the California Fig Syru Co. only, whose name is printed on every package, also the name, Syrup of Fig-and being well informed, you will no accept any substitute if offered.

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